



Determine which choice best shows the associative property of multiplication.

**Answers**

- 1) A.  $7 \times (2 + 6) = (7 \times 2) + (7 \times 6)$       2) A.  $(7 \times 8) + (7 \times 1) = 7 \times (8 + 1)$   
 B.  $7 \times 2 = 2 \times 7$       B.  $7 \times 8 = 8 \times 7$   
 C.  $1 \times 7 = 7$       C.  $7 \times 1 = 7$   
 D.  $7 \times (2 \times 6) = (7 \times 2) \times 6$       D.  $(7 \times 8) \times 1 = 7 \times (8 \times 1)$
- 3) A.  $0 \times (1 \times 7) = (0 \times 1) \times 7$       4) A.  $9 \times 8 = 8 \times 9$   
 B.  $1 \times 0 = 0$       B.  $(9 \times 8) \times 7 = 9 \times (8 \times 7)$   
 C.  $0 \times 1 = 1 \times 0$       C.  $9 \times 1 = 9$   
 D.  $0 \times (1 + 7) = (0 \times 1) + (0 \times 7)$       D.  $(9 \times 8) + (9 \times 7) = 9 \times (8 + 7)$
- 5) A.  $6 \times 1 = 6$       6) A.  $(7 \times 0) \times 6 = 7 \times (0 \times 6)$   
 B.  $(6 \times 7) + (6 \times 10) = 6 \times (7 + 10)$       B.  $7 \times 1 = 7$   
 C.  $6 \times 7 = 7 \times 6$       C.  $7 \times 0 = 0 \times 7$   
 D.  $(6 \times 7) \times 10 = 6 \times (7 \times 10)$       D.  $(7 \times 0) + (7 \times 6) = 7 \times (0 + 6)$
- 7) A.  $(2 \times 0) \times 4 = 2 \times (0 \times 4)$       8) A.  $6 \times 7 = 7 \times 6$   
 B.  $2 \times 0 = 0 \times 2$       B.  $6 \times (7 + 0) = (6 \times 7) + (6 \times 0)$   
 C.  $(2 \times 0) + (2 \times 4) = 2 \times (0 + 4)$       C.  $6 \times (7 \times 0) = (6 \times 7) \times 0$   
 D.  $2 \times 1 = 2$       D.  $1 \times 6 = 6$
- 9) A.  $1 \times 3 = 3$       10) A.  $10 \times 1 = 10$   
 B.  $3 \times (10 + 7) = (3 \times 10) + (3 \times 7)$       B.  $(10 \times 1) \times 9 = 10 \times (1 \times 9)$   
 C.  $3 \times (10 \times 7) = (3 \times 10) \times 7$       C.  $10 \times 1 = 1 \times 10$   
 D.  $3 \times 10 = 10 \times 3$       D.  $(10 \times 1) + (10 \times 9) = 10 \times (1 + 9)$
- 11) A.  $7 \times (10 + 0) = (7 \times 10) + (7 \times 0)$       12) A.  $9 \times 1 = 9$   
 B.  $1 \times 7 = 7$       B.  $(9 \times 3) \times 1 = 9 \times (3 \times 1)$   
 C.  $7 \times 10 = 10 \times 7$       C.  $9 \times 3 = 3 \times 9$   
 D.  $7 \times (10 \times 0) = (7 \times 10) \times 0$       D.  $(9 \times 3) + (9 \times 1) = 9 \times (3 + 1)$

1. \_\_\_\_\_  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_  
 5. \_\_\_\_\_  
 6. \_\_\_\_\_  
 7. \_\_\_\_\_  
 8. \_\_\_\_\_  
 9. \_\_\_\_\_  
 10. \_\_\_\_\_  
 11. \_\_\_\_\_  
 12. \_\_\_\_\_



Determine which choice best shows the associative property of multiplication.

- 1) A.  $7 \times (2 + 6) = (7 \times 2) + (7 \times 6)$   
 B.  $7 \times 2 = 2 \times 7$   
 C.  $1 \times 7 = 7$   
 D.  $7 \times (2 \times 6) = (7 \times 2) \times 6$
- 2) A.  $(7 \times 8) + (7 \times 1) = 7 \times (8 + 1)$   
 B.  $7 \times 8 = 8 \times 7$   
 C.  $7 \times 1 = 7$   
 D.  $(7 \times 8) \times 1 = 7 \times (8 \times 1)$
- 3) A.  $0 \times (1 \times 7) = (0 \times 1) \times 7$   
 B.  $1 \times 0 = 0$   
 C.  $0 \times 1 = 1 \times 0$   
 D.  $0 \times (1 + 7) = (0 \times 1) + (0 \times 7)$
- 4) A.  $9 \times 8 = 8 \times 9$   
 B.  $(9 \times 8) \times 7 = 9 \times (8 \times 7)$   
 C.  $9 \times 1 = 9$   
 D.  $(9 \times 8) + (9 \times 7) = 9 \times (8 + 7)$
- 5) A.  $6 \times 1 = 6$   
 B.  $(6 \times 7) + (6 \times 10) = 6 \times (7 + 10)$   
 C.  $6 \times 7 = 7 \times 6$   
 D.  $(6 \times 7) \times 10 = 6 \times (7 \times 10)$
- 6) A.  $(7 \times 0) \times 6 = 7 \times (0 \times 6)$   
 B.  $7 \times 1 = 7$   
 C.  $7 \times 0 = 0 \times 7$   
 D.  $(7 \times 0) + (7 \times 6) = 7 \times (0 + 6)$
- 7) A.  $(2 \times 0) \times 4 = 2 \times (0 \times 4)$   
 B.  $2 \times 0 = 0 \times 2$   
 C.  $(2 \times 0) + (2 \times 4) = 2 \times (0 + 4)$   
 D.  $2 \times 1 = 2$
- 8) A.  $6 \times 7 = 7 \times 6$   
 B.  $6 \times (7 + 0) = (6 \times 7) + (6 \times 0)$   
 C.  $6 \times (7 \times 0) = (6 \times 7) \times 0$   
 D.  $1 \times 6 = 6$
- 9) A.  $1 \times 3 = 3$   
 B.  $3 \times (10 + 7) = (3 \times 10) + (3 \times 7)$   
 C.  $3 \times (10 \times 7) = (3 \times 10) \times 7$   
 D.  $3 \times 10 = 10 \times 3$
- 10) A.  $10 \times 1 = 10$   
 B.  $(10 \times 1) \times 9 = 10 \times (1 \times 9)$   
 C.  $10 \times 1 = 1 \times 10$   
 D.  $(10 \times 1) + (10 \times 9) = 10 \times (1 + 9)$
- 11) A.  $7 \times (10 + 0) = (7 \times 10) + (7 \times 0)$   
 B.  $1 \times 7 = 7$   
 C.  $7 \times 10 = 10 \times 7$   
 D.  $7 \times (10 \times 0) = (7 \times 10) \times 0$
- 12) A.  $9 \times 1 = 9$   
 B.  $(9 \times 3) \times 1 = 9 \times (3 \times 1)$   
 C.  $9 \times 3 = 3 \times 9$   
 D.  $(9 \times 3) + (9 \times 1) = 9 \times (3 + 1)$

Answers

1.     **D**      
 2.     **D**      
 3.     **A**      
 4.     **B**      
 5.     **D**      
 6.     **A**      
 7.     **A**      
 8.     **C**      
 9.     **C**      
 10.     **B**      
 11.     **D**      
 12.     **B**